Table 1. Changes Table (RBR requirements changes).

All the requirement's keys provided on base of the 07/31/96 RTM version, and will be changed in CCR 96-0907 and others.
Implementor : please use the latest requirement keys available.

RBR_id	req_key	req_category	segment	req_type	s_verif_method	s_verif_stat	a_verif_method	a_verif_stat	text	interpretation text	clar._text
DADS1850#A	4642	mission essential	SDPS	~~functional~~ procedural	demo	un-verified	demo	un-verified	Each DADS shall utilize the configuration management toolkit provided by the SMC.	Operating staff use SMC configuration management tools to maintain versions of DADS system H/W and S/W configuration.	
DADS1860#A	4643	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	Each DADS shall, in conjunction with the SMC, provide configuration management for its internal resources.	~~Operating staff use~~ SMC configuration management tools to maintain versions of DADS system H/W and S/W configuration.	
DADS1970#A	4644	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	Each DADS shall access from the SMC, via the system database, the product thread information for each standard product generated by EOSDIS.	~~Product thread~~ information is available as part of PGE profile. In current architecture DADS does not access this information from SMC.	
DADS1980#A	4645	mission essential	SDPS	functional ~~procedural~~	demo	un-verified	demo	un-verified	Each DADS shall receive from the SMC scheduling directives for system level, site/element-to-site/element, testing, and simulation activities.	~~Scheduling~~ directives transmitted from SMC in procedural manner (phone, fax, etc.). Provide remote access from SMC to DAAC scheduling.	
DADS2000#A	4646	mission critical	SDPS	functional ~~procedural~~	demo	un-verified	demo	un-verified	Each DADS shall receive from the SMC scheduling directives in response to ~~emergency situations.~~	~~Phone, fax~~ or e-mail will be used to receive directives.	
DADS2110#A	4640	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	The DADS shall provide scheduling information to the SMC.	Schedules are produced by PGS and remote access to DAAC scheduling from SMC is provided.	
DADS2180#A	4451	mission essential	SDPS	functional	demo	un-verified	demo	un-verified	Each DADS shall maintain a list/schedule of reprocessed data.	~~A: TRMM only.~~ The list is maintained in the Inventory, but no versioning is provided in Release A.	

Table 2. Changes Table (Level 4 requirements changes).

L4 id	Req Key	rel	req_type	req_status	ver_method	ver_status	clarification	text
S-DSS-00145	New	A	functional	approved	test	un-verified		The SDSRV CI shall maintain an Inventory containing an index of available data granules.

Table 3. Reference Table Links deletions table (RBR to Level_4 Links deletions).

RBR_id	text	interpretation text	L4 id	rel	req_type	req_status	ver_method	clarification	text
~~DADS1860#A~~	Each DADS shall, in conjunction with the SMC, provide configuration management for its internal resources.	Operating staff use SMC configuration management tools to maintain versions of DADS system H/W and S/W configuration.	~~S-DSS-20510~~	A	functional	approved	demo		The STMGT CI shall provide operations staff the capability to obtain configuration information about operator selected storage devices.
			~~S-DSS-20520~~	A	functional	approved	demo		The STMGT CI shall provide operations staff the capability to change the allocation of storage devices to individual Data Servers.
			~~S-DSS-20530~~	A	functional	approved	demo		The STMGT CI shall provide the capability to display/view/print the allocation of storage devices to Data Servers.
			~~S-DSS-20540~~	A	functional	approved	demo		The STMGT CI shall provide an automatic capability during startup to allocate storage devices to Data Servers.
			~~S-DSS-21160~~	A	functional	approved	demo		The STMGT CI shall provide operations staff the capability to set the operational state (UP or DOWN) of storage devices.
			~~S-DSS-21170~~	A	functional	approved	demo		The STMGT CI shall provide operations staff the capability to query the operational state (UP or DOWN) of storage devices.
~~DADS2000#A~~	Each DADS shall receive from the SMC scheduling directives in response to emergency situations.	Phone, fax or e-mail will be used to receive directives.	~~S-INS-00364~~	A	functional	approved	demo		The INGST CI shall accept an ingest Cancellation Request from authorized applications to cancel an ongoing Ingest Request, specifying the Request Identifier.
			~~S-INS-00369~~	A	functional	agreed	demo		The INGST CI shall authenticate the User Identifier of an application submitting an ingest Cancellation Request.
~~DADS2040#A~~	Each DADS shall insure that data sent by SDPF has been received and validated.	A: Provide support for SDPF only.	~~S-INS-00406~~	A	functional	approved	demo		The INGST CI shall check selected parameters from extracted metadata to verify: a. Metadata parameters stored in a dataset specific format b. For numeric metadata parameters limited by a range of values, that parameter values lie within the specified range c. For metadata parameters with values limited to a set of discrete values, that parameter values are listed in the specified set d. That the metadata parameter syntax is correct e. For metadata containing parameters describing the data size, that the data size is correct (within a specified

									tolerance) f. That date / time values include a valid month, day of month, hour, minute, and second g. That date / time values include a year value within a range specific for that date / time value
~~DADS2110#A~~	The DADS shall provide scheduling information to the SMC.	Schedules are produced by PGS and remote access to DAAC scheduling from SMC is provided.	~~S-DSS-00692~~	A	interface	approved	demo		The SDSRV CI shall be capable of receiving data from the DDSRV CI.
			~~S-DSS-00694~~	A	interface	approved	demo		The SDSRV CI shall be capable of receiving data from the STMGT CI.
			~~S-DSS-00696~~	A	interface	approved	demo		The SDSRV CI shall be capable of receiving data from the DDIST CI.
~~DADS2180#A~~	Each DADS shall maintain a list/schedule of reprocessed data.	A: TRMM only. The list is maintained in the Inventory, but no versioning is provided in Release A.	~~S-DSS-00690~~	A	interface	approved	demo		The SDSRV CI shall be capable of receiving data from the PLANG CI.
			~~S-DSS-04230~~	A	interface	approved	demo		The SDSRV CI shall supply Metadata associated with production plan data to the DDIST CI.
			~~S-DSS-04360~~	A	functional	approved	demo		The SDSRV CI shall include granule-specific information as defined in the SDPS Core Metadata Baseline (194-00269TPW).
			~~S-DSS-10095~~	A	functional	approved	demo		The DDSRV CI shall be capable of receiving data from the PLANG CI.
			~~S-DSS-10238~~	A	functional	approved	demo		The DDSRV CI shall provide storage for production plan data.

Table 4. Reference Table Links additions table (RBR to Level_4 Links additions).

RBR_id	text	interpretation text	L4 id	rel	text
DADS1850#A	Each DADS shall utilize the configuration management toolkit provided by the SMC.	Operating staff use SMC configuration management tools to maintain versions of DADS system H/W and S/W configuration.	C-MSS-40000	A	The MSS configuration management application service at each site shall track the following items at the site by name and identifier: a. ECS subsystems, networks, and configured system and network devices such as workstations, servers, and routers b. ECS releases and site baselines c. ECS hardware and software resources designated as configuration items d. specifications asscoiated with configuration items e. technical documentation and test materials f. scientific algorithms, including software, data and test materials (DAACs only)
DADS1860#A	Each DADS shall, in conjunction with the SMC, provide configuration management for its internal resources.	Operating staff use SMC configuration management tools to maintain versions of DADS system H/W and S/W configuration.	C-MSS-40000	A	The MSS configuration management application service at each site shall track the following items at the site by name and identifier: a. ECS subsystems, networks, and configured system and network devices such as workstations, servers, and routers b. ECS releases and site baselines c. ECS hardware and software resources designated as configuration items d. specifications asscoiated with configuration items e. technical documentation and test materials f. scientific algorithms, including software, data and test materials (DAACs only)
DADS1970#A	Each DADS shall access from the SMC, via the system database, the product thread information for each standard and quick-look product generated by EOSDIS.	Product thread information is available as part of PGE profile. In current architecture DADS does not access this information from SMC.	S-PLS-00400	A	The PLANG CI shall maintain Product Generation Executives (PGEs) information that identifies the Science Software, the order of execution, the conditions for execution, the processing environment, and the input / output data types and locations.
DADS1980#A	Each DADS shall receive from the SMC scheduling directives for system level, site/element-to-site/element, testing, and simulation activities.	Scheduling directives transmitted from SMC in procedural manner (phone, fax, etc.). Provide remote access from SMC to DAAC scheduling.	C-ISS-02520*	A	The SMC shall be able to access selected DAAC operator workstations via remote X-Windows.
DADS2000#A	Each DADS shall receive from the SMC scheduling directives in response to emergency situations.	Phone, fax or e-mail will be used to receive directives.	C-CSS-61020	A	The CSS Electronic Mail Service shall be capable of sending and receiving the Multi-purpose Internet Mail Extensions (MIME) messages.

			C-CSS-61290	A	The CSS Electronic Mail Service shall provide functionality to send reply for a received message to a. the author b. to all destinations addressed in the incoming message MailTool
			C-CSS-61390	A	The CSS Electronic Mail Service shall allow a message to be sent to multiple destinations.
DADS2110#A	The DADS shall provide scheduling information to the SMC.	Schedules are produced by PGS and remote access to DAAC scheduling from SMC is provided.	C-ISS-02520*	A	The SMC shall be able to access selected DAAC operator workstations via remote X-Windows.
DADS2180#A	Each DADS shall maintain a list/schedule of reprocessed data.	A: TRMM only. The list is maintained in the Inventory, but no versioning is provided in Release A.	S-DSS-00145	A	The SDSRV CI shall maintain an Inventory containing an index of available data granules
DADS2210#A	Each DADS shall provide tools for the creation and manipulation of its plans/schedules.	Operator can change request priorities through the GUI.	S-DSS-00220	A	The SDSRV CI shall provide operations staff the capability to cancel any Service Request.
DADS2220#A	Each DADS shall provide tools for manually overriding any of its schedules with other elements.	Operator can change request priorities through the GUI.	S-DSS-00220	A	The SDSRV CI shall provide operations staff the capability to cancel any Service Request.
DADS2270#A	Each DADS shall provide, on a scheduled basis, an off-site backup copy of all EOS data whichwould be impossible or difficult to recover in case of loss (e.g., ancillary data, metadata, command history, algorithms, engineering data, calibration data, systems and applications software, selected data products, depending on need).	A: TRMM only.	S-DSS-20390	A	The STMGT CI shall provide tools for recovering data from failed archive media when such tools are supplied by the vendor of the supporting FSMS product(s).
			S-DSS-20400	A	The STMGT CI shall provide tools for recovering data from failed archive devices, when such tools are supplied by either the vendor of the supporting FSMS product(s) or by the vendor of the affected hardware.
			S-DSS-20420	A	The STMGT CI shall be capable of producing backup archive media which uses openly published and non-proprietary formats for recording data.
			S-DSS-20430	A	The STMGT CI shall be capable of producing backup archive media which has a fully described file structure.
			S-DSS-20440	A	The STMGT CI shall be capable of producing backup archive media which has a fully described physical file organization.
DADS2276#A	Each DADS shall have the capability to restore its	A: TRMM only.	S-DSS-20740	A	The STMGT CI shall provide operations staff the capability to retrieve data that has been safe-stored at an external facility.

	archive by storing a backup copy of EOS data or backup copy of information required to regenerate the data.				
			S-DSS-20390		The STMGT CI shall provide tools for recovering data from failed archive media when such tools are supplied by the vendor of the supporting FSMS product(s).
			S-DSS-20400		The STMGT CI shall provide tools for recovering data from failed archive devices, when such tools are supplied by either the vendor of the supporting FSMS product(s) or by the vendor of the affected hardware.
DADS2300#A	Each DADS shall provide a capability for local and offsite backup/restore of system files.		S-DSS-20740	A	The STMGT CI shall provide operations staff the capability to retrieve data that has been safe-stored at an external facility.

* marks new Level 4 requirements that must be generated by Dinesh Patel and then linked to the corresponding RBR requirements.

Table 5. Links deletions table (RBR to Level_4 Links deletions).

RBR_id	L4 id
~~DADS1860#A~~	~~S-DSS-20510~~
~~DADS1860#A~~	~~S-DSS-20520~~
~~DADS1860#A~~	~~S-DSS-20530~~
~~DADS1860#A~~	~~S-DSS-20540~~
~~DADS1860#A~~	~~S-DSS-21160~~
~~DADS1860#A~~	~~S-DSS-21170~~
~~DADS2000#A~~	~~S-INS-00364~~
~~DADS2000#A~~	~~S-INS-00369~~
~~DADS2040#A~~	~~S-INS-00406~~
~~DADS2110#A~~	~~S-DSS-00692~~
~~DADS2110#A~~	~~S-DSS-00694~~
~~DADS2110#A~~	~~S-DSS-00696~~
~~DADS2180#A~~	~~S-DSS-00690~~
~~DADS2180#A~~	~~S-DSS-04230~~
~~DADS2180#A~~	~~S-DSS-04360~~
~~DADS2180#A~~	~~S-DSS-10095~~
~~DADS2180#A~~	~~S-DSS-10238~~

Table 6. Links additions table (RBR to Level_4 Links additions).

RBR_id	L4 id
DADS1850#A	C-MSS-40000

DADS1860#A	C-MSS-40000
DADS1970#A	S-PLS-00400
DADS1980#A	C-ISS-02520*
DADS2000#A	C-CSS-61020
DADS2000#A	C-CSS-61290
DADS2000#A	C-CSS-61390
DADS2110#A	C-ISS-02520*
DADS2180#A	S-DSS-00145
DADS2210#A	S-DSS-00220
DADS2220#A	S-DSS-00220
DADS2270#A	S-DSS-20390
DADS2270#A	S-DSS-20400
DADS2270#A	S-DSS-20420
DADS2270#A	S-DSS-20430
DADS2270#A	S-DSS-20440
DADS2276#A	S-DSS-20740
DADS2276#A	S-DSS-20390
DADS2276#A	S-DSS-20400
DADS2300#A	S-DSS-20740